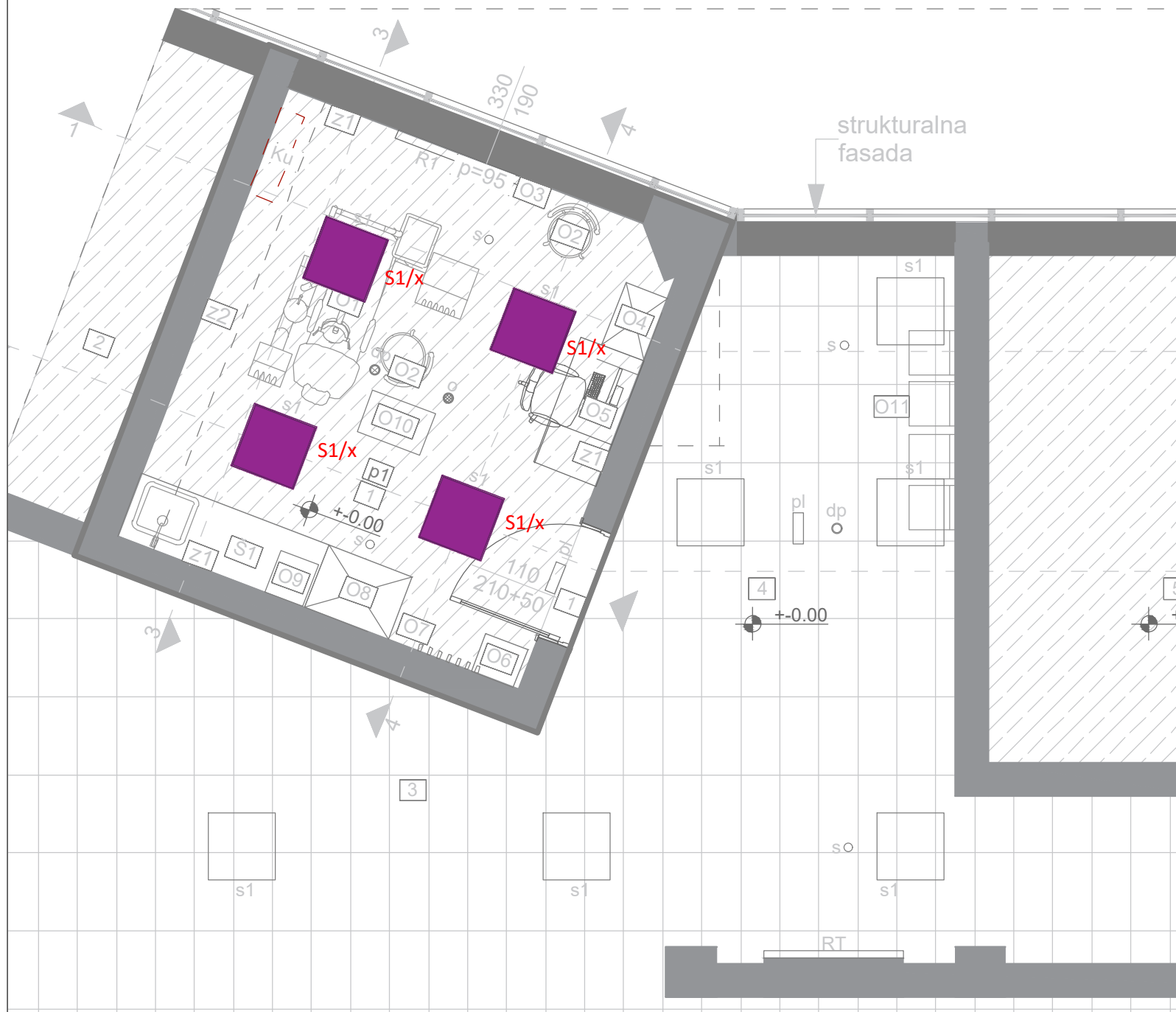


## **7 GRAFIČKA DOKUMENTACIJA**



LEGENDA :



(S1) Ugradni LED panel UGR<19 sa temperaturom boje od 4000K. Osvetljenje bez odsjaja za kancelarijske aplikacije sa opalnim difuzorom napravljenim od PET-a sa oznakom TpB za potpuno homogeno osvetljenje i aluminijumski okvir. Ulazna snaga svjetiljke: 34 W. Životni vijek od 50.000 h prije nego što se svjetlosni tok smanji na 80 % početne vrijednosti. Tolerancija hromatičnosti (početni MacAdam): 4. Ukupan svjetlosni tok: 3750 lm, Efikasnost svjetiljke: 110 lm/W (4000K). Prikaz boja Ra> 80, Instalacija bez alata. Eksterna kutija konektora koja omogućava ožičenje sa petljom i izlazom. Bez treperenja. Pogodno za ugradnju, kačenje i površinsku montažu. Dimenzije: 596x596x60 mm, težina: 2,22 kg, stepena zaštite IP20 odozgo, IP44 odozdo, IK03. Slična tipu: ANNA VARIO Q596 3750 830/35/40 96634032, proizvođača ThornEco.

oznaka tipa svjetiljke  
S1/x  
zona postojećeg strujnog kruga

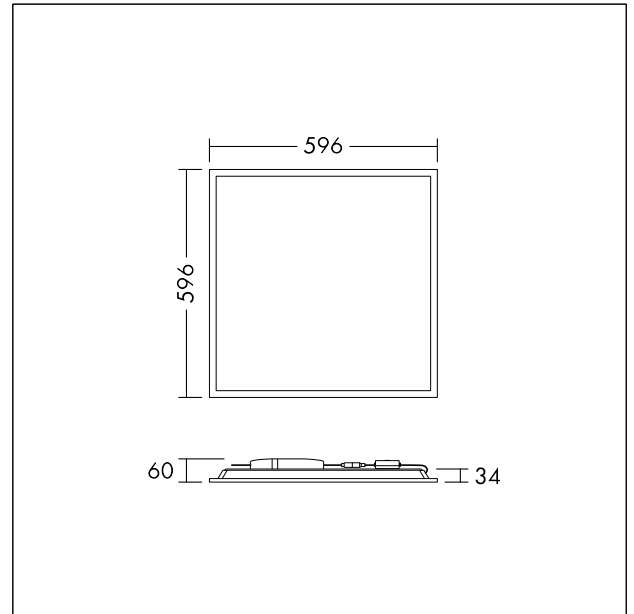
|                                                                                                                                                         |  |                                                                       |                 |                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------|-----------------|-------------------|
| PROJEKTANT:<br><div>ENpro<br/>ing</div> Enproing DOO<br>bul. vojvode Stanka Radonjića br.47,<br>lamela 1, stan 43., Podgorica<br>tel: +382(0)67 215 992 |  | INVESTITOR:<br><br>Ministarstvo prosvjete Crne Gore                   |                 |                   |
| Objekat:<br>Stomatološke ambulante u osnovnim i srednjim školama -<br>JU OŠ "Risto Manojlović" Kolašin                                                  |  | Lokacija:<br>Ul. 13. jula br. 3, Kolašin                              |                 |                   |
| Glavni inženjer:<br>Dušan Džudović, d.i.a.                                                                                                              |  | Vrsta tehničke dokumentacije:<br>Glavni projekat                      |                 |                   |
| Odgovorni inženjer:<br>Slobodan Marković, dipl.inž.el.<br>br. lic. UPI 107/7-1164/2                                                                     |  | Dio tehničke dokumentacije:<br>Elektrotehnički projekat - jaka struja |                 | RAZMJERA:<br>1:50 |
| Saradnik/ci:<br>Danilo Mijanović, spec.sci.el.                                                                                                          |  | Prilog:<br>Osnova stomatološke<br>ambulante - Osvjetljenje            | Br.priloga<br>1 | Br.strane<br>36   |
| Datum izrade i M.P                                                                                                                                      |  | Datum revizije i M.P                                                  |                 |                   |
| Mart, 2023. godine                                                                                                                                      |  |                                                                       |                 |                   |

## Recessed LED panel

Recessed LED panel UGR<19 with adjustable color temperature of 3000K, 3500K or 4000K by switch directly on luminaire. Gentle, soft and glare-free lighting for office applications with opal diffuser made of TpB rated PET for fully homogenous illumination and aluminium frame. Luminaire input power: 34 W Lifetime of 50.000 h before luminous flux is reduced to 80 % of the initial value. Chromaticity tolerance (initial MacAdam): 4. Total luminous flux: 3750 lm, Luminaire efficacy: 110 lm/W (4000K). Colour rendering Ra > 80, Tool-free installation (piano key terminal for up to 2.5 mm<sup>2</sup> wires). External connector box enabling loop-in loop-out wiring. Flicker free. Suitable for lay-in installation, suspension and surface mounting. Dimensions: 596 x 596 x 60 mm weight: 2.22 kg



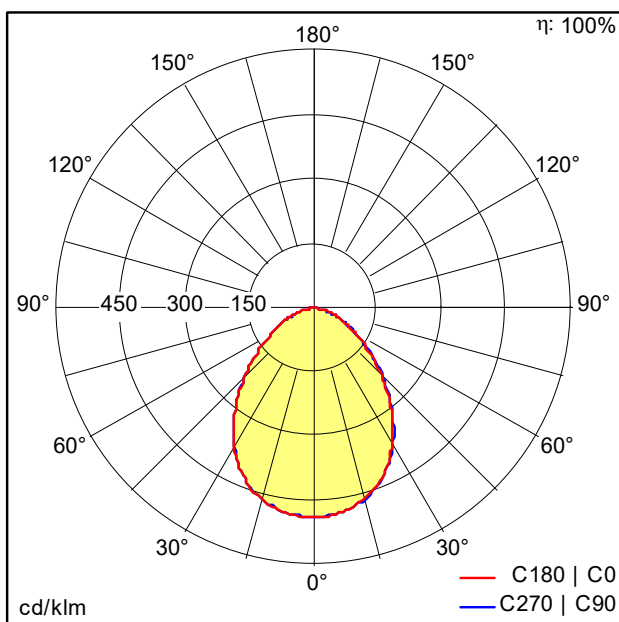
TE\_ANNA\_F\_600\_persp.jpg



TE\_ANNAVARIO\_M\_596.wmf

## Light Distribution

STD - standard



TE\_ANNA\_VARIO\_Q596\_3750\_840.ltd

- Light Source: LED
- Luminaire luminous flux\*: 3754 lm
- Total emergency luminous flux: 433 lm
- Luminaire efficacy\*: 110 lm/W
- Colour Rendering Index min.: 80
- Ballast: 1 x 42189791 <ANNA VARIO Q596 3750 830/35/40
- Correlated colour temperature: 3000-4000 Kelvin
- Chromaticity tolerance (initial MacAdam): 4
- Rated median useful life\*: L80 50000h at 25°C
- Luminaire input power\*: 34 W Power factor = 0.95
- Dimming: Fixed output
- Total harmonic distortion (THD): 20.00 %

This product contains a light source of energy efficiency class E.

All values marked with an \* are rated values. Luminous flux and connected electrical load are subject to an initial tolerance of +/- 10%. Unless stated otherwise, the values apply to an ambient temperature of 25°C.

# ANNA VARIO

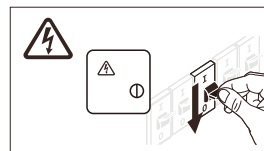
# THORNECO

|    |                           |     |                            |
|----|---------------------------|-----|----------------------------|
| EN | Installation Instructions | IT  | Istruzioni di montaggio    |
| DE | Montageanleitung          | LT  | Montavimo instrukcijos     |
| CZ | Montážní návod            | LV  | Instalācijas instrukcija   |
| DK | Monteringsvejledning      | NO  | Monteringsanvisning        |
| EE | Paigaldusjuhend           | PL  | Instrukcja montażu         |
| FI | Asennusohje               | SE  | Installationsanvisning     |
| FR | Notice de montage         | RU  | Инструкция по монтажу      |
| HU | Szerelési útmutató        | SRB | Instrukcija za instalaciju |
| HR | Uputstvo za montažu       | SK  | Montážny návod             |
| NL | Montagehandleiding        | SLO | Navodilo za montažo        |
| RO | Instructiuni de montaj    | CN  | 安装说明书                      |

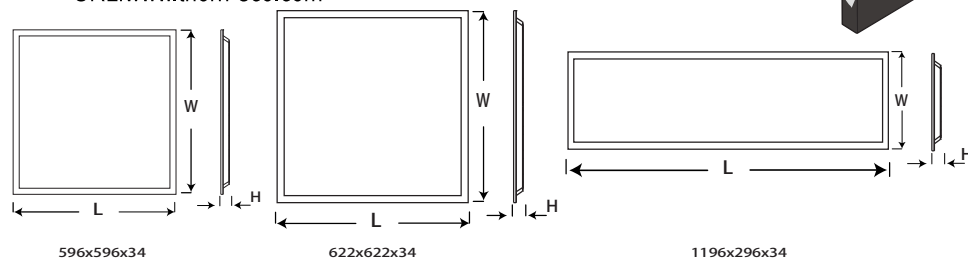
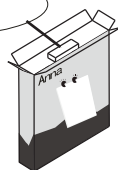
1. Installation and commissioning may only be carried out by authorized specialists and wired in cordance with the latest IEE electrical regulations or the national standards.
2. Mains power must be switched off before carrying out installation.
3. The manufacturer, shall not be liable for any damage resulting from inappropriate modifications to the luminaire or faulty installation.
4. Indoor use only.
5. Caution, risk of electric shock.

Thorn Lighting Limited,  
Durhamgate, Spennymore,  
Co Durham, DL16 6HL, UK

Zumtobel Lighting GmbH,  
Schweizerstrasse 30,  
6850 Dornbirn, Austria  
URL: [www.thorn-eco.com](http://www.thorn-eco.com)



Driver location in the package box

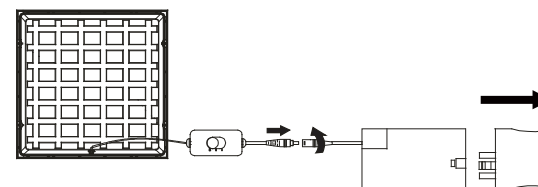


| SAP Code | Product Description                     | Input                              | PF  | Wattage | Operating temperature | Dimension LxWxH(mm) | Safety wire |
|----------|-----------------------------------------|------------------------------------|-----|---------|-----------------------|---------------------|-------------|
| 96634030 | ANNA VARIO Q596 3000 830/35/40          | AC 220-240V 50/60HZ                | 0.9 | 29W     | -20~40°C              | 596x596x34          | ✓           |
| 96634032 | ANNA VARIO Q596 3750 830/35/40          | AC 220-240V 50/60HZ                | 0.9 | 34W     | -20~40°C              | 596x596x34          | ✓           |
| 96634034 | ANNA VARIO Q596 3750 830/35/40 HFIX     | AC 220-240V 50/60HZ<br>DC 176-270V | 0.9 | 34W     | -20~40°C              | 596x596x34          | ✓           |
| 96634035 | ANNA VARIO Q622 3750 830/35/40          | AC 220-240V 50/60HZ                | 0.9 | 34W     | -20~40°C              | 622x622x34          | ✓           |
| 96634036 | ANNA VARIO Q622 3750 830/35/40 HFIX     | AC 220-240V 50/60HZ<br>DC 176-270V | 0.9 | 34W     | -20~40°C              | 622x622x34          | ✓           |
| 96634037 | ANNA VARIO 1200x300 4000 830/35/40      | AC 220-240V 50/60HZ                | 0.9 | 34W     | -20~40°C              | 1196x296x34         | ✓           |
| 96634045 | ANNA VARIO 1200x300 4000 830/35/40 HFIX | AC 220-240V 50/60HZ<br>DC 176-270V | 0.9 | 34W     | -20~40°C              | 1196x296x34         | ✓           |

# ANNA VARIO

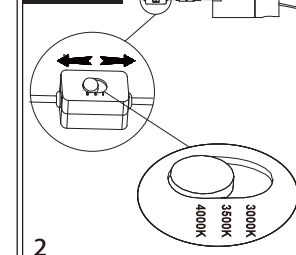
## Wiring Mode

### ON/OFF



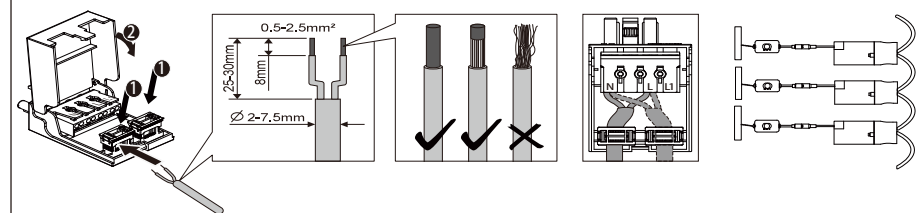
1

### ON/OFF



2

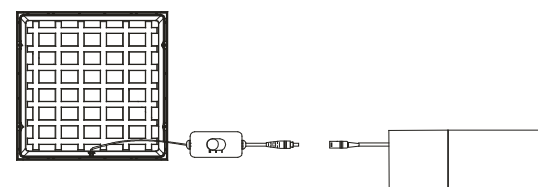
### ON/OFF



220-240V~ 50/60Hz

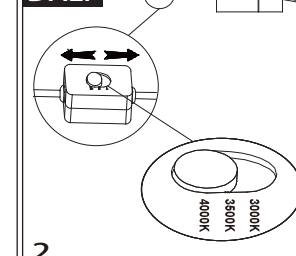
3

### DALI



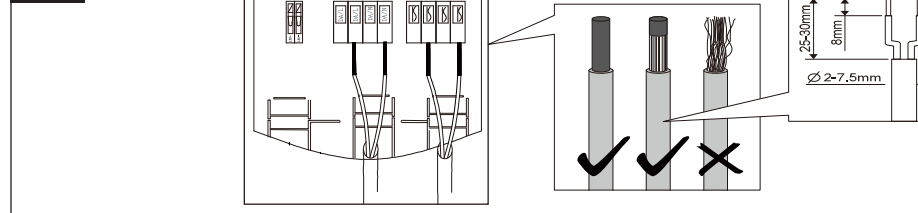
1

### DALI



2

### DALI

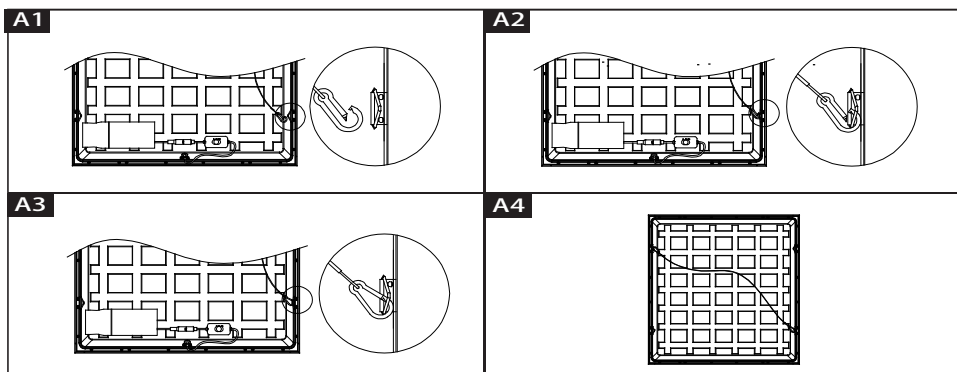


220-240V~ 50/60Hz

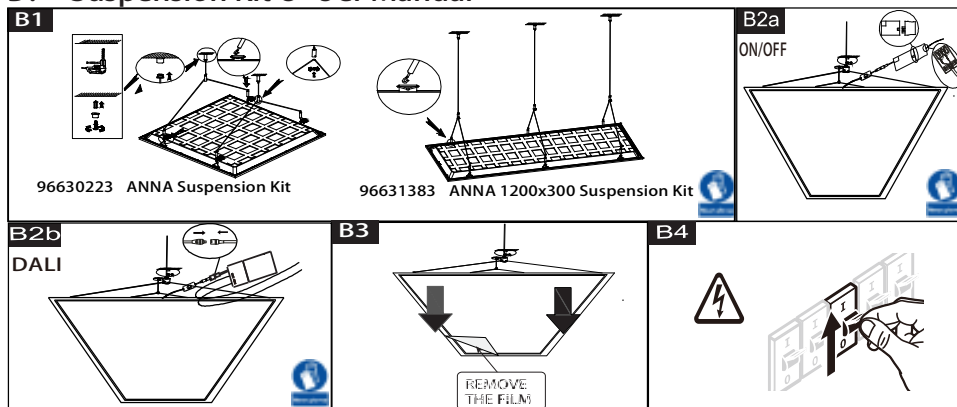
3

## ANNA VARIO

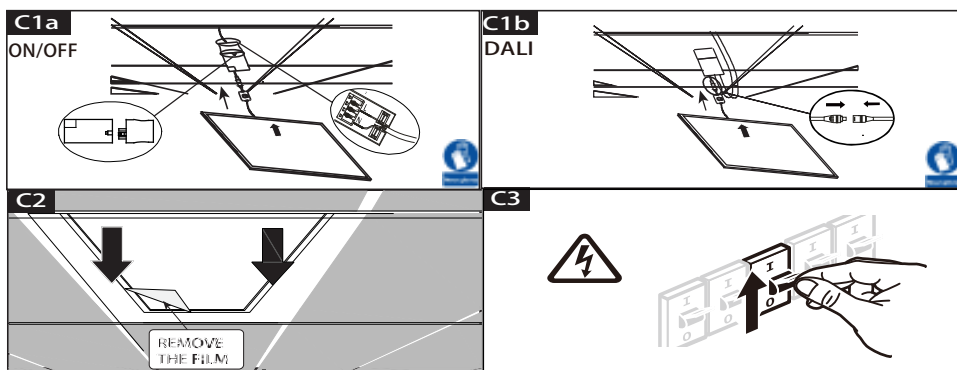
### A. Safety Wire Installation Manual



### B. Suspension Kit User Manual



### C. Recessed Mount User Manual



## ANNA VARIO

### (DE) Hinweise für die Montage und den Betrieb!

Die Montage und Inbetriebnahme der Leuchte sowie jede Veränderung an der Leuchte darf nur von autorisierten Fachkräften (qualifizierter Elektriker) durchgeführt werden. Die nationalen Errichterbestimmungen sind zu beachten. Vor jeder Arbeit an der Leuchte ist diese vom Netz zu trennen. **Hot Plug-In ist nicht möglich und kann zu Schäden an der Leuchte führen!** Der Hersteller haftet nicht für Schäden, die aus fehlerhafter Montage, aus unsachgemäßem Betrieb oder unautorisierten Veränderungen an der Leuchte resultieren.

Die Lichtquelle dieser Leuchte darf nur vom Hersteller oder einem von ihm beauftragten Servicetechniker oder einer vergleichbar qualifizierten Person ausgetauscht werden.

**Vorsicht, Gefahr eines elektrischen Schlags.**

Technische Änderungen vorbehalten! Bei Fragen wenden sie sich an den Hersteller.

### (EN) Instructions for installation and operation!

The Installation and commissioning of the luminaire as well as any modification to the luminaire may only be performed by authorized personnel (qualified electrician). National installation regulations must be observed. Before any work on the appliance is done it must be disconnected from mains.

**Hot plug-in is not an option and may cause damage to the lamp or luminaire!**

The manufacturer is not liable for damages resulting from improper or faulty installation or operation or from unauthorized modifications to the luminaire.

The light source contained in this luminaire shall only be replaced by the manufacturer or his service agent or a similarly qualified person.

**Caution, risk of electric shock!**

Specifications are subject to change without notice! If you have questions, please contact the manufacturer.

### (FR) Instructions pour l'installation et l'utilisation!

L'installation et la mise en service du luminaire ainsi que toute modification au luminaire doivent être effectuées par un personnel autorisé (électricien qualifié). Les règles nationales d'installation doivent être respectées. Avant toute intervention sur l'appareil, il doit être débranché de son alimentation.

**Le branchement à chaud est interdit, et peut endommager la lampe ou le luminaire!**

Le fabricant décline toute responsabilité pour les dommages résultant d'une mauvaise installation ou opération, ou d'une modification non autorisée du luminaire.

La source lumineuse présente dans le luminaire ne peut être remplacée que par le fabricant, par son service technique ou une personne qualifiée.

**Avertissement, risque de choc électrique.**

Sous réserve de modifications des spécifications techniques! Pour toute question contactez le fabricant

### (IT) Istruzioni per l'installazione e il funzionamento!

L'installazione e la messa in servizio degli apparecchi, nonché qualsiasi modifica dell'apparecchio può essere eseguita solo da personale autorizzato (elettricista qualificato). Le norme nazionali di installazione devono essere rispettate. Prima di qualsiasi intervento sull'apparecchio, questo deve essere scollegato dalla rete.

**Non è possibile un Hot Plug In e può causare danni alla lampada o all'apparecchio!**

Il produttore non si assume alcuna responsabilità per i danni derivanti da un'installazione impropria o difettosa, o per modifiche non autorizzate apportate all'apparecchio.

La sorgente luminosa contenuta in questo apparecchio può essere sostituita solo dal produttore o da un centro assistenza autorizzato o da una persona qualificata.

**Attenzione, rischio di folgorazione!** Modifiche tecniche sono soggette a cambiamenti senza preavviso! Se avete domande si prega di contattare il produttore

### (NL) Aanwijzingen voor installatie en bediening!

De installatie en inbedrijfstelling van het armatuur, alsook elke wijziging in of aan het armatuur mag alleen door bevoegd personeel (elektricien) worden uitgevoerd. De nationale installatie voorschriften moeten worden nageleefd. Voor alle werkzaamheden aan het apparaat, moet deze worden losgekoppeld van het net.

**Hot plug-In is niet mogelijk en kan schade aan de lamp veroorzaken!**

De fabrikant is niet aansprakelijk voor schade als gevolg van onjuiste foutieve installatie, bediening of schade welke het gevolg is van niet geautoriseerde wijzigingen aan het armatuur.

De lichtbron in dit armatuur mag enkel door de fabrikant, een service agent of een gelijkwaardig gekwalificeerd person vervangen worden.

**WAARSCHUWING: Gevaar voor elektrische schokken.**

Technische wijzigingen voorbehouden! Als u vragen hebt, kunt u contact opnemen met de fabrikant.

